Kamaxoptic Communication LTD.

KOC-08SII Noncontact Fiber Interferometer

Description

KOC-08SII fiber interferometer is the newly upgraded of KOC-08S version. It is more quickly and accurately to measure the 3D geometry of fiber optic connectors. In the meantime, it can show the topography of the ferrule and fiber geometry directly and clearly in the software.

KOC-08SII interferometer is makes up of two parts: the interferometer mainframe, the PC computer and controlling software.

KOC-08SII adopts a 650nm high power LED Light source, which ensure he user to get clear interference image quickly.

KOC-08SII offers two kinds of chucks (2.5mm universal &1.25mm universal), with which user can test almost all kinds of connectors. 2.5mm universal chuck is used for measure FC/SC/ST/E2000/DIN/FC connectors, 1.25mm universal chuck is used for measure LC/MU/F3000 connectors. KOC-08SII allows the user don't need to replace chucks and calibrate when you testing APC and PC connectors. The user only needs to adjust the "angle adjuster" to set the angle. It is very convenient to operate.

With high accuracy controlling software, high testing result repeatability and convenient operability, KOC-08SII can makes the testing easy. The machine can be calibrated by six angles calibration and automatic to compensate the angle error by software. The user doesn't need to do any mechanical adjustment.

KOC-08SII is manual focus. After focused, the user can operate the machine by "one click" operation. The machine will measure automatic and give the result. The test result and 4 historical records will be shown on the bottom right of the software interface. The user can select to save the test result in Excel file or individual 3D report. The individual 3D report is included the 3D diagram to show the connector endface status.

The Global Solution in Active and Passive Fiber Optic Components

Features

1. High repeatability, high accuracy.
2. Convenient hardware and software operability.
   Don't need to replace chucks and calibrate again when testing APC and PC connector.
   When calibrating, software will calibrate automatically, user don't need to do mechanical adjustment.
3. With patent, easily fasten chucks, unique APC fluctuate locate technology, made the measurement more
   precisely.
4. 3D-Mesh diagram and analysis chart directly to show the fiber and ferrule surface details.
5. Test report and data will be saved in Excel format, easy for document management and print out.
6. Cost efficient

Configuration and accessories

1. 1x Interferometer
2. 1x Lenovo PC computer
3. 2x chucks(LC universal and SC universal)
4. 3x APC locator clamps（FC/APC ,SC/APC, LC/APC）
5. 2x calibration connectors +Standard Utensil
6. 1x toolset
7. 1x USB cable
8. 1x power cable
9. 1x software set
10. 1x User manual

Specifications

Repeatability	ROC	+/- 0.05mm
	Fiber height	+/- 1nm
	Apex offset	+/- 0.5um
	Angle	+/- 0.01deg
Stability	ROC	+/- 0.05mm
	Fiber height	+/- 2nm
	Apex offset	+/- 1.5um
	Angle	+/- 0.015deg
Working Temperature	－10℃～30℃	
Zoom time	10X	
Resolution	1um	
Wavelength	650nm	
Power supply	12V	
Dimensions	44cm*22.5cm*17.5cm（L * W * H）	

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Features subject to change.
Not contractually valid unless specifically authorized by kamaxoptic.